

Title (en)

LOAD RESONANT TYPE POWER SUPPLY FOR OZONIZER

Title (de)

STROMVERSORUNG DES LASTRESONANZTYPUS FÜR EINE OZONERZEUGUNGSVORRICHTUNG

Title (fr)

ALIMENTATION ELECTRIQUE COMPRENANT DES OSCILLATEURS DE COURANT HAUTE TENSION SANS TRANSFORMATEUR POUR LA GENERATION DE L'OZONE

Publication

EP 1929615 B1 20181114 (EN)

Application

EP 06836103 A 20060814

Priority

- US 2006031664 W 20060814
- US 70844505 P 20050816

Abstract (en)

[origin: WO2007035216A1] A resonant power supply (300) is provided for ozone generation. The power supply (300) advantageously reduces costs and increases reliability of ozone generators. The power supply (300) provides a first AC voltage from a power source (320) to a resonant circuit (330) and the resonant circuit (330) provides a second AC voltage to the ozone generating unit (110), the second AC voltage being greater than the first AC voltage. A controller (340) for the power supply (300) that adapts to the resonance of the circuit to provide control with a wide tolerance for the high Q circuit component values of the circuit.

IPC 8 full level

B01J 19/08 (2006.01); **C01B 13/11** (2006.01); **H02M 5/458** (2006.01); **H02M 7/537** (2006.01)

CPC (source: EP KR US)

B01J 19/087 (2013.01 - US); **C01B 13/11** (2013.01 - KR); **C01B 13/115** (2013.01 - EP US); **H02M 5/4585** (2013.01 - EP US); **H02M 7/537** (2013.01 - EP KR US); **Y02B 70/10** (2013.01 - EP US); **Y02P 20/10** (2015.11 - EP US)

Citation (examination)

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